

### REMARKS

Reconsideration of this application is respectfully requested in view of the foregoing amendment and the following remarks.

Claims 1-50 were pending in this application. Claims 9-11, 20-22, 31, 32, 45, and 46 have been cancelled without prejudice or disclaimer to the subject matter thereof and claims 3, 4, 14, 15, 25, 26, 39, and 40 have been amended hereby to correct matters of form. Accordingly, claims 1-8, 12-19, 23-30, 33-44, and 47-50 will be pending herein upon entry of this Amendment. For at least the reasons stated below, Applicants respectfully submit that all claims pending in this application are in condition for allowance.

In the Office Action mailed April 7, 2004, claims 3, 4, 14, 15, 25, 26, 39, and 40 were objected to for containing trademarks/trade names. These claims have been amended to remove reference to the objectionable terms, thus obviating the objection. Claims 9-11, 20-22, 31, 32, (although Examiner apparently inadvertently listed claim 31 twice, Applicants assume she intended to list claim 32) 45, and 46 were rejected under both 35 USC § 112 as failing to comply with the enablement requirement and 35 USC § 101 as not being supported by either a specific, substantial and credible asserted utility or a well established utility. Without commenting on the substance of the rejections, the cancellation of claims 9-11, 20-22, 31, 32, 45, and 46 renders this rejection moot. Claims 1, 2, 5, 7, 8, 12, 13, 16, 18, 19, 23, 24, 27, 29, 30, 37, 38, 41, 43, and 44 were rejected under 35 USC § 102(e) as being anticipated by Munson (US Patent No. 6,681, 331) and claims 3, 4, 6, 9-11, 14, 15, 17, 20-22, 25, 26, 28, 31, 32, 39, 40, 42, 45, and 46 were rejected under 35 USC § 103(a) as being unpatentable over Munson, in view of Rowland (US

Patent No. 6,405,318), which are addressed below. To the extent these rejections might still be applied to claims presently pending in this application, they are respectfully traversed.

Regarding the anticipation rejection, Applicants note that Munson generally teaches a manner of anomaly detection by comparing events generated on a computer to events deemed to be normal and determining whether the generated event is normal or abnormal, but the specific manner that Munson teaches to determine whether an event is normal or abnormal is quite different from the present invention. The system described in Munson utilizes multinomial distributions to determine abnormality. The present system employs neural networks that have been previously trained to identify normal behavior. The detected behavior is then analyzed, often in real-time, to determine if that particular data stream is normal. At least claims 23 and 37 (and by incorporation each of their respective dependent claims) include specific reference to the above-referenced "neural networks", which are not employed by Munson in the manner claimed. In fact, the analysis performed by Munson relates to multinomial statistical analysis of detected events versus known normal events and does not involve the use of neural networks as described in claims 23 and 27.

Regarding the rejection with respect to claims 1 and 12, as mentioned previously, Munson describes generally a manner of detecting abnormal computer behavior, but Applicants note that many of the claimed steps are not disclosed by Munson as asserted by the Examiner. Specifically, Applicant asserts that the portion cited by the Examiner with respect to element a) of each of claims 1 and 12 is not supported by the cited passage. Element a) specifically recites "each said first application profile comprises a plurality of first data strings, wherein each first

data string comprises a sequential mapping of instructions..." The portion cited by the Examiner discusses that "[d]uring the design process, the basic functions are mapped by system designers to specific software program modules that implement the functionality." Applicants see no reference in the allegedly supporting passage that discusses an application profile, data strings or sequential mapping instructions.

Regarding the "second application profiles" allegedly described in Munson at co. 9, lines 49-55, this passage discusses that each user may have a unique characteristic operational profile. While Applicants do not even agree that this can properly be considered the recited second application profile, Munson does not describe any relation between the characteristic operational profile and any other profile in the cited portion of column 4 relied upon by the Examiner. While Munson does describe a type of anomaly detection, Applicants assert that the Examiner has not identified portions of Munson that properly correspond to each and every element recited in the claims. Further, even if each element were taught as alleged by the Examiner, the recited comparisons of those elements certainly are not taught by Munson.

As to Rowland, because this reference is applied only to dependent claims and fails to supply any of the above-cited deficiencies with respect to the Munson reference, Applicants assert that the combination of Rowland and Munson still does not teach each element of the independent claims at issue.

Accordingly, because each element recited in each of the independent claims is not present in either the Rowland or Munson references, Applicants assert that claims 1, 12, 23, and 37 along with their respective dependent claims are in condition for allowance. Should the

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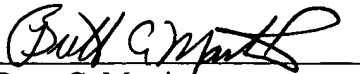
Examiner have any questions or determine that any further action is desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone applicants' undersigned representative at the number listed below.

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Respectfully submitted,

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